

HSR-141-75**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0201+/-0.001	0.511+/-0.0254
Dielectric	PTFE	0.1175+/-0.001	2.98+/-0.0254
Outer Conductor	Seamless Copper Tube	0.141+/-0.001	3.58+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	63.5
Impedance (Ω)	75+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	2000.0
Voltage withstanding (VRMS@60Hz)	5000.0
Max Operating Frequency (GHz)	38.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ($^{\circ}\text{C}$)	175.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to +125

Attenuation & Average Power(20 $^{\circ}\text{C}$ & Seal Level)

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.08 (0.28)	549.0
1.0	0.12 (0.40)	382.2
5.0	0.29 (0.96)	160.6
10.0	0.44 (1.45)	108.6
20.0	0.67 (2.20)	72.4

